

Attorney's Docket No.: 07977-262001 / US4542

In the claims:

Please amend the claims as follows:

1. (Original) A liquid crystal display device comprising:
a pair of substrates, at least one of said substrates being transparent;
a liquid crystal layer interposed between the pair of substrate;
a sealing material being formed in an outside portion of the liquid crystal layer and being formed between the pair of substrates;
a peripheral seal portion being formed in an inside portion of end portions of the pair of substrates;
an open portion for injecting a liquid crystal material being formed in a side of the sealing material;
at least a seal stopper portion being formed in both end portions of the sick,
wherein the seal stopper portion extends from the sealing material to an end portion of the pair of substrates opposing the liquid crystal layer.

2. (Original) A device according to claim 1,
wherein a plurality of seal stopper portions are formed in parallel from the seal stopper portion with respect to a side of the open portion.

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3. (Original) A device according to claim 1,
wherein a plurality of seal stopper portions are formed in
an opposite side of the open portion.

4. (Original) A device according to claim 3,
wherein a seal stopper portion is formed in an outside
portion of the peripheral seal portion and on an axis of
symmetry of the substrates.

5. (Original) A device according to claim 1,
wherein a damming portion is formed in the open portion.

6. (Original) A liquid crystal display device comprising:
a pair of substrates having different sizes, at least one
of said substrates being transparent;

a liquid crystal layer interposed between the pair of
substrate;

a sealing material being formed in an outside portion of
the liquid crystal layer and being formed between the pair of
substrates;

a peripheral seal portion being formed in an inside portion
of end portions of the pair of substrates;

an open portion for injecting a liquid crystal material
being formed in a side of the sealing material;

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at least a seal stopper portion being formed in both end portions of the side,

wherein the seal stopper portion extends from the sealing material to a corner of the pair of substrates opposing the liquid crystal layer.

7. (Original) A liquid crystal display device comprising:
a pair of substrates, at least one of said substrates being transparent;

a liquid crystal layer interposed between the pair of substrate;

a sealing material being formed in an outside portion of the liquid crystal layer and being formed between the pair of substrates;

a peripheral seal portion being formed in an inside portion of end portions of the pair of substrates;

an open portion for injecting a liquid crystal material being formed in a corner of the sealing material.

8. (Original) A device according to claim 7,
wherein a plurality of seal stopper portions are formed in an outside portion of the open portion.

9. (Original) A device according to claim 7,

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wherein a plurality of seal stopper portions are formed in an opposite corner of the open portion.

10. (Original) A device according to claim 10,
wherein a plurality of seal stopper portions are formed in an outside portion of the peripheral seal portion,
wherein the plurality of seal stopper portions are formed in two corners other than the open portion and an opposite corner of the open portion.

11. (Original) A device according to claim 10,
wherein a seal stopper portion is formed in an outside portion of the peripheral seal portion and on an axis of symmetry of the substrates.

12. (Original) A device according to claim 7,
wherein a damming portion is formed in the open portion.

13. (Original) A method of manufacturing the liquid crystal display device of claim 7,

said method comprising the steps of:

forming an orientation film over each of an element substrate and an opposing substrate;

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performing an orientation process to each of the element and opposing substrates;

forming the sealing material on one of the element and opposing substrates;

joining the element and opposing substrates;

separating the joined element and opposing substrates to form at least an empty liquid crystal display device;

injecting the liquid crystal material into the empty liquid crystal display device through an immersion method,

wherein a V-shape liquid crystal dish being possible of contacting the open portion formed in the corner of the empty liquid crystal display device is used in the injection step.

14. (Previously Amended) A method of manufacturing a liquid crystal display device, said method comprising the steps of:

preparing an element substrate and an opposing substrate, one of said element and opposing substrates having a hole portion;

forming a sealing material over one of the element and opposing substrates;

joining the element and opposing substrates;

injecting a liquid crystal material into a gap between the element substrate and the opposing substrate through the hole portion;

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scribing the joined element and opposing substrates to form a plurality of liquid crystal display devices, each of said plurality of liquid crystal display device having an open portion, peripheral seal portion and an external lead-out wiring portion.

Claims 15-16. (Cancelled)

17. (Previously Amended) A method of manufacturing a liquid crystal display device, said method comprising the steps of:

preparing a first substrate and a second substrate, said first substrate having a pixel portion and a driver portion;

forming a peripheral seal portion over one of the first and second substrates, said peripheral seal portion surrounding the pixel portion and the driver portion;

forming an injection port for injecting a liquid crystal material;

forming at least a first seal stopper portion over one of the first and second substrates;

joining the first and second substrates;

scribing the joined first and second substrates to form at least an empty liquid crystal display device;

injecting the liquid crystal material into the empty liquid crystal display device.

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wherein a plurality of seal stopper portions are extended from said peripheral seal portion to an end portion of at least of said first substrate and said second substrate in an opposite side of the injection port.

18. (Previously Amended) A method according to claim 17, wherein a second seal stopper portion is formed in an outside portion of the peripheral seal portion and on an axis of symmetry of the first substrate.

19. (Previously Amended) A method of manufacturing a liquid crystal display device, said method comprising the steps of:

preparing a first substrate and a second substrate, said first substrate having a pixel portion and a driver portion;

forming a peripheral seal portion over one of the first and second substrates, said peripheral seal portion surrounding the pixel portion and the driver portion;

forming an injection port for injecting a liquid crystal material;

forming at least a first seal stopper portion over one of the first and second substrates;

joining the first and second substrates;

scribing the joined first and second substrates to form at least an empty liquid crystal display device;

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injecting the liquid crystal material into the empty liquid crystal display device,

wherein a damming portion is formed in the injection port.

Claims 20-22 (Cancelled)

23. (Previously Amended) A method of manufacturing a liquid crystal display device, said method comprising the steps of:

preparing a first substrate and a second substrate, said first substrate having a pixel portion and a driver portion;

forming a peripheral seal portion over one of the first and second substrates, said peripheral seal portion surrounding the pixel portion and the driver portion;

forming an injection port for injecting a liquid crystal material;

joining the first and second substrates;

separating the joined first and second substrates to form at least an empty liquid crystal display device;

injecting the liquid crystal material into the empty liquid crystal display device,

wherein the injection port is formed in a corner of the first and second substrates,

wherein a plurality of seal stopper portions are formed in an opposite corner of the injection port.

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24. (Previously Amended) A method according to claim 23,
wherein a plurality of seal stopper portions are formed in
an outside portion of the peripheral seal portion,

wherein the plurality of seal stopper portions are formed
in two corners other than the injection port and an opposite
corner of said injection port.

25. (Previously Amended) A method according to claim 23,
wherein a seal stopper portion is formed in an outside
portion of the peripheral seal portion and on an axis of
symmetry of the first substrate.

26. (Previously Amended) A method according to claim 24,
wherein a damming portion is formed in the injection port.

Claims 27-32. (Cancelled)

33. (Previously Added) A method according to claim 15
wherein a damming portion is formed in the injection port.

cl 34. (Reinstated - formerly claim 27) A method according to
claim 14, further forming an orientation film over each of the
element and the opposing substrates;

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performing an orientation processing to each of the element and opposing substrates.

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35. (Reinstated - formerly claim 28) A method according to claim 14, further breaking said joined element and opposing substrates.

36. (Reinstated - formerly claim 29) A method according to claim 14,

wherein said liquid crystal display device has a part of said hole portion in a corner of said liquid crystal display device.

37. (Reinstated - formerly claim 30) A method according to claim 14, further the joined element and opposing substrates are scribed after injecting said liquid crystal material.

38. (Reinstated - formerly claim 31) A method according to claim 14, wherein said hole portion is formed in a center portion of one of said element and opposing substrates.

39. (Reinstated - formerly claim 32) A method according to claim 14, further forming a resin in said hole portion after joining the first and second substrates.
